

WHAT IS CLAIMED IS;

1. A recording-medium cartridge that includes a recording medium and a cartridge memory, wherein the recording medium includes a write-once area, in which the re-write of data is forbidden, and

a re-writable area, in which the re-write of data is allowed, and wherein

the cartridge memory holds range information that shows the range of the write-once area on the recording medium.

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2. A recording-medium cartridge according to claim 1, wherein the recording medium is divided into a plurality of sections, and each section has a unique identification code, wherein

15 the cartridge memory holds identification information showing that the section identified by the unique identification code is the write-once area or the re-writable area.

20 3. A recording-medium cartridge according to claim 1, wherein a plurality of write-once areas and re-writable areas are lined up on the recording-medium, and wherein

the cartridge memory holds information showing a position of a boundary between the write-once area and the re-writable area.

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4. A recording-medium cartridge according to claim 1, wherein  
the range information includes  
address information, showing a position of a boundary  
between the write-once area and the re-writable area, and  
5 detail information showing that which of a start point of  
the write-once area and an end point of the write-once area  
corresponds to the position identified by address information.
- 10 5. A recording-medium cartridge according to claim 1, wherein  
the recording medium is a magnetic tape.
6. A recording-medium cartridge according to claim 2, wherein  
the recording medium is a magnetic tape.
- 15 7. A recording-medium cartridge according to claim 3, wherein  
the recording medium is a magnetic tape.
8. A recording-medium cartridge according to claim 4, wherein  
the recording medium is a magnetic tape.
- 20 9. A recording-medium cartridge according to claim 1, wherein  
the recording medium is a magnetic disk.
- 25 10. A recording-medium cartridge according to claim 2, wherein  
the recording medium is a magnetic disk.

11. A recording-medium cartridge according to claim 3, wherein  
the recording medium is a magnetic disk.
12. A recording-medium cartridge according to claim 4, wherein  
5 the recording medium is a magnetic disk.
13. A recording-medium cartridge according to claim 1, wherein  
the recording medium is a optical tape.
- 10 14. A recording-medium cartridge according to claim 2, wherein  
the recording medium is a optical tape.
15. A recording-medium cartridge according to claim 3, wherein  
the recording medium is a optical tape.
- 15 16. A recording-medium cartridge according to claim 1, wherein  
the recording medium is a optical disk.
17. A recording-medium cartridge according to claim 2, wherein  
the recording medium is a optical disk.
- 20 18. A recording-medium cartridge according to claim 3, wherein  
the recording medium is a optical disk.
- 19, A recording-and-reproducing device for performing the  
recording/reproducing of a data on/from the recording-medium  
25 cartridge of claim 1, the recording-and-reproducing device  
comprising:

a range information reader, which performs a readout of the range information;

a distinction unit, which performs the distinction between the write-once area and re-writable area of the recording medium based on the range information; and

a recording/reproducing unit, which performs the recording/reproducing of data on/from the recording medium, wherein

the recording /reproducing unit performs the recording of data only on the re-writable area by referring to the distinction result of the identifier.

20. The recording-and-reproducing device according to claim 19, wherein

the identifier regards whole area of the recording medium as the write-once area, when the range information obtainer can not perform the readout of the range information from the cartridge memory.